

## Trouble Shooting

The following is a list of common problems that may cause your pump to work improperly. If you feel that your pump is malfunctioning due to other reasons please call our customer service department at 978-281-0573.

Symptom	Possible Cause	Cure
Pump only runs for a few seconds	Insufficient water	The automatic control system tests for water approximately every few minutes. If the water level detected is only about 3/4", the pump will shut off after a few seconds. Every few minutes thereafter, it will automatically check the water level and will only continue pumping if sufficient water is present.
	Clogged strainer jammed impeller	Disconnect pump from power source and remove strainer. Remove debris from strainer and surrounding area. Remove any debris from the impeller.
	Blocked discharge line	Disconnect pump from power source and remove blockage from pipes/hoses and discharge port.
Pump does not run	Electrical connections	Check electric receptacle for power. Check fuse and/or circuit breaker. Is the receptacle a three prong grounded outlet in good condition? Is the plug making good contact in the receptacle?
Pump runs, but does not pump water	Air lock	Check discharge hose. Is it running level or continuously downwardly once it starts downwardly? Are there any loops in the hose?

## Congratulations!

You have just purchased one of the finest quality pumps available in the industry. It was developed after years of experience, research and testing by our research staff. Its motor, electronics and seals were specifically designed and manufactured by Rule® Industries to give years of reliable, trouble-free performance.

### How This Pump Works

Rule Automatic Pool Cover Pumps turn on and check for water approximately every 2-1/2 minutes. During this "check", the pump runs for about one second and checks for resistance or drag against the impeller. If resistance (water) is found, it will run for as long as water is present. When all the water is pumped out, the pump shuts off and returns to its 2-1/2 minute test cycle. The pump can be started at any time by disconnecting it from the power source, waiting for 5 seconds and reconnecting to the power source.

**Please read and follow the instructions carefully and your pump will provide you with the maximum output and the life for which it was designed.**

Thank You for Purchasing a Rule Pump



## The Rule® Guarantee

We guarantee all our pumps to be free from factory defect or malfunction for three full years from purchase date.



All returns must be shipped to:

Rule Pool Systems  
Attn: Warranty Department  
Cape Ann Industrial Park  
Gloucester, MA 01930

Rule Customer Service  
978-281-0573

[www.rule-industries.com](http://www.rule-industries.com)



## INSTRUCTION GUIDE

### FULLY AUTOMATIC POOL COVER DRAIN PUMP

Thermally Protected Enclosure 3

**Model H53SP-24**  
1800 GPH, 110 VAC, 60HZ, 1.0 AMP



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## Important Safety Instructions

Read and follow all instructions before installation

**WARNING** —To reduce the risk of injury, do not permit children to use this product unless they are closely supervised at all times.

**WARNING** —Risk of electric shock. This pump should not be used to drain the pool cover if there are people in the pool.

**WARNING** —Risk of electric shock. This pump is provided with a 3-prong grounding plug for use with a 110 volt AC 3-prong outlet. A shock hazard exists if the plug is connected to an ungrounded outlet. Connect only to a grounding type receptacle protected by a ground-fault circuit-interrupter (GFCI). Contact a qualified electrician if you cannot verify that the receptacle is protected by a GFCI.

**Do not** bury cord. Locate cord to minimize abuse from lawn mowers, hedge trimmers, and other equipment.

**Warning** —To reduce the risk of electric shock, replace damaged cord immediately.

**Warning** —To reduce the risk of electric shock, do not use extension cord to connect unit to electric supply; provide a properly located outlet.

**Do not** plug the pump into an outlet while standing in water or on a damp surface.

**Never** pick up or support the pump by the power cord.



This pump is designed for use with fresh and salt water only. Use with any medium, including particularly hazardous, caustic or corrosive substances, could result in damage to the pump, the surrounding environment and injury to persons or property, including possible exposure to hazardous substance.

**This pump is for water applications only.**

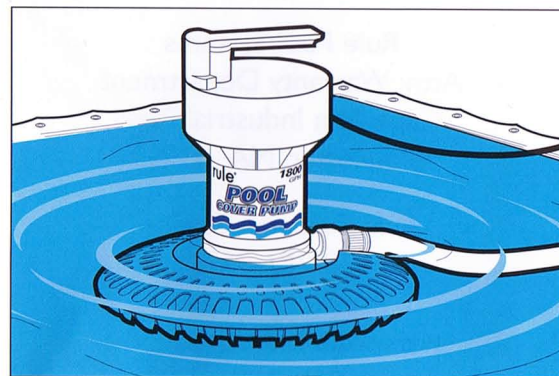
## Installation Instructions

1

Attach standard garden hose to the pump.

2

Determine the location for the pump on the pool cover. Generally place the pump where the water would be the deepest. The installation must allow for complete drainage of the hose. All air/water pockets must be eliminated by having the garden hose, once it has started running downwardly, run level or continuously downwardly. There must be no loops or “sags” in the hose that would trap air or water.



**Note:** Restricting the flow from a Rule® pump by using a smaller pipe or hose size (such as a garden hose) does not damage the pump, but will result in a reduction in flow. For maximum flow, use the shortest length of the largest diameter hose available.

## Replacement Parts / Accessories



### Model 290

Replacement Pool Cover Pump Strainer Base



### Model 79

Replacement Handle



### Model 68

Replacement Garden Hose Adapter



### Model 80

(1-1/8" Corrugated Hose)

Connects to pump discharge instead of Garden Hose Adapter

## Performance/Maintenance

### Break-in period

A break-in period of up to 10 hours is required to achieve maximum pumping capacity.

### Periodic Maintenance (very important)

It is imperative that you keep the strainers clean and free of debris. We recommend that you remove any debris that may accumulate in and around the blue strainer base.

### Freezing/Impeller Jamming

The Rule® 1800 Pool Cover Pump is equipped with a protective circuit that prevents damage to the pump in the event that it becomes embedded in ice or the impeller becomes jammed with debris.

Should the impeller jam due to ice, no action is necessary. The pump will resume its normal operation when the ice thaws. The pump will continue to check for water every few minutes while frozen and automatically shut itself off after each check. To prevent unnecessary wear, it is recommended, but not necessary, to disconnect the pump if it will be frozen in ice for an extended period of time.

Should the impeller jam due to debris, the debris should be removed as soon as possible to allow the pump to return to its normal automatic pumping mode.

**Save these instructions.**